BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work : Asphalting to roads at Ambhabhavani layout and surrounding areas in Ward No-03, Yelahanka Satellite Town sub Division.

Est Cost Rs. 200 Lakhs

Sl No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Asphalting								
	KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No 301 (Page No 143 Item no 19.14 of KPWD SR Bangalore Circle(2018-19) Lead 15.5km								
	BR Rs.		41.00						
	Lead and Lift Charges		37.12						
	Add: AW 6%		4.69						
	Total Rs.		82.81						
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	1	100	7.50	0.25	187.50			
	From CH:100 to CH:200	1	100	7.50	0.25	187.50			
	From CH:200 to CH:300	1	100	7.50	0.25	187.50			
	From CH:300 to CH:335	1	35	7.50	0.25	65.63			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	1	25	6.00	0.25	37.50			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.25	45.00			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.25	45.00			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00	0.25	52.50			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.25	150.00			
	From CH:100 to CH:120	1	20	6.00	0.25	30.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00	0.25	52.50			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.25	45.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.25	45.00			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.25	45.00			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	1	60	6.00	0.25	90.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.25	150.00			
	From CH:100 to CH:188	1	88	6.00	0.25	132.00			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.25	150.00			
	From CH:100 to CH:188	1	88	6.00	0.25	132.00			
1	**Aproach Road**								
	From CH:000 to CH:090	1	90	7.00	0.25	157.50			
	1st Main Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.25	150.00			
	From CH:100 to CH:110	1	10	6.00	0.25	15.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.25	150.00			
	From CH:100 to CH:110	1	10	6.00	0.25	15.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.25	67.50			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.25	67.50			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50	0.25	97.50			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
1	**SLN Enclave**								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50	0.25	96.25			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50	0.25	82.50			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50	0.25	48.13			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00	0.25	15.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.25	60.00			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.00	0.38	41.80			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00	0.25	52.50			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	1.50	0.38	11.40			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	1.50	0.38	22.80			
	1st main road								
	From CH:000 to CH:100	1	100	5.60	0.25	140.00			
	From CH:100 to CH:140	1	40	5.50	0.25	55.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00	0.25	40.00			
	LHS2	1	22	5.00	0.25	27.50			
	LHS3	1	28	5.00	0.25	35.00			
	RHS1	1	48	6.00	0.25	72.00			
	RHS2	1	32	5.00	0.25	40.00			
	RHS3	1	32	4.50	0.25	36.00			
						3425.50	Cum	82.81	283656.06
	KSRRB 300-Compaction KSRRB 300-58 Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 KPWD S.R 2018-19 Page No. 147 I No. 19.64								
	BR Rs.	6.00							
	Add: AW 6%	0.36							
	Total Rs.	6.36							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	1	100	7.50		750.00			
	From CH:100 to CH:200	1	100	7.50		750.00			
	From CH:200 to CH:300	1	100	7.50		750.00			
	From CH:300 to CH:335	1	35	7.50		262.50			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	1	25	6.00		150.00			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:120	1	20	6.00		120.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	1	60	6.00		360.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	8th Cross Road (RHS)								
2	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	Aproach Road								
	From CH:000 to CH:090	1	90	7.00		630.00			
	1st Main Road (LHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50		390.00			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50		385.00			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50		330.00			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50		192.50			
	Adithya Nagar								
	5th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00		240.00			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	1st main road								
	From CH:000 to CH:100	1	100	5.60		560.00			
	From CH:100 to CH:140	1	40	5.50		220.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00		160.00			
	LHS2	1	22	5.00		110.00			
	LHS3	1	28	5.00		140.00			
	RHS1	1	48	6.00		288.00			
	RHS2	1	32	5.00		160.00			
	RHS3	1	32	4.50		144.00			
						13338.00	Sqm	6.36	84829.68
3	Construction of granular sub-base Grading-V as Sub base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material,mixing by mix in place method with rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision								
	BR Rs	1750.00							
	Add: AW 6%	105.00							
	Total Rs.	**1855.00**							
	Adithya Nagar								
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.00	0.15	16.50			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	1.50	0.15	4.50			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	1.50	0.15	9.00			
						30.00	**Cum**	**1,855.00**	**55650.00**
	KSRRB M400-17 Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406								
	BR Rs	1888.00							
	Add: AW 6%	113.28							
	Total Rs	**2001.28**							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	1	100	7.50	0.23	172.50			
	From CH:100 to CH:200	1	100	7.50	0.23	172.50			
	From CH:200 to CH:300	1	100	7.50	0.23	172.50			
	From CH:300 to CH:335	1	35	7.50	0.23	60.38			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	1	25	6.00	0.23	34.50			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.23	41.40			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.23	41.40			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00	0.23	48.30			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.23	138.00			
	From CH:100 to CH:120	1	20	6.00	0.23	27.60			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00	0.23	48.30			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.23	41.40			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.23	41.40			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.23	41.40			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	1	60	6.00	0.23	82.80			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.23	138.00			
	From CH:100 to CH:188	1	88	6.00	0.23	121.44			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.23	138.00			
	From CH:100 to CH:188	1	88	6.00	0.23	121.44			
4	**Aproach Road**								
	From CH:000 to CH:090	1	90	7.00	0.23	144.90			
	1st Main Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.23	138.00			
	From CH:100 to CH:110	1	10	6.00	0.23	13.80			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.23	138.00			
	From CH:100 to CH:110	1	10	6.00	0.23	13.80			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.23	62.10			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.23	62.10			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50	0.23	89.70			
	SLN Enclave								
	2nd Cross Road								

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
1	From CH:000 to CH:070	1	70	5.50	0.23	88.55			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50	0.23	75.90			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50	0.23	44.28			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00	0.23	13.80			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.23	55.20			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.00	0.23	25.30			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00	0.23	48.30			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	1.50	0.23	6.90			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	1.50	0.23	13.80			
	1st main road								
	From CH:000 to CH:100	1	100	5.60	0.23	128.80			
	From CH:100 to CH:140	1	40	5.50	0.23	50.60			
	Vishwa Provision store road								
	LHS1	1	32	5.00	0.23	36.80			
	LHS2	1	22	5.00	0.23	25.30			
	LHS3	1	28	5.00	0.23	32.20			
	RHS1	1	48	6.00	0.23	66.24			
	RHS2	1	32	5.00	0.23	36.80			
	RHS3	1	32	4.50	0.23	33.12			
						3127.54	**Cum**	**2,001.28**	**6259083.25**
	KSRRB M500-6 Providing and applying primer coat with S S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision								
	BR Rs.	28.00							
	Add AW 6%	1.68							
	Total Rs.	29.68							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	1	100	7.50		750.00			
	From CH:100 to CH:200	1	100	7.50		750.00			
	From CH:200 to CH:300	1	100	7.50		750.00			
	From CH:300 to CH:335	1	35	7.50		262.50			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	1	25	6.00		150.00			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:120	1	20	6.00		120.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	1st Cross Road (LHS)								

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:000 to CH:060	1	60	6.00		360.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	Aproach Road								
	From CH:000 to CH:090	1	90	7.00		630.00			
5	**1st Main Road (LHS)**								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50		390.00			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50		385.00			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50		330.00			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50		192.50			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00		60.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00		240.00			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.00		110.00			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	1.50		30.00			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	1.50		60.00			
	1st main road								
	From CH:000 to CH:100	1	100	5.60		560.00			
	From CH:100 to CH:140	1	40	5.50		220.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00		160.00			
	LHS2	1	22	5.00		110.00			
	LHS3	1	28	5.00		140.00			
	RHS1	1	48	6.00		288.00			
	RHS2	1	32	5.00		160.00			
	RHS3	1	32	4.50		144.00			
						13598.00	Sqm	29.68	403588.64
	KSRRB 500.2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision. (P.158) Item no 21.2 specifications. MORTH Specification No. 202 KPWD SR 2018-19.								
	BR Rs.	5.00							
	Add: AW 6%	0.30							

Sl No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	Total Rs.		5.30						
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	1	100	7.50		750.00			
	From CH:100 to CH:200	1	100	7.50		750.00			
	From CH:200 to CH:300	1	100	7.50		750.00			
	From CH:300 to CH:335	1	35	7.50		262.50			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	1	25	6.00		150.00			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:120	1	20	6.00		120.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00		180.00			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	1	60	6.00		360.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:188	1	88	6.00		528.00			
	Aproach Road								
6	From CH:000 to CH:090	1	90	7.00		630.00			
	1st Main Road (LHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00		600.00			
	From CH:100 to CH:110	1	10	6.00		60.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00		270.00			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50		390.00			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50		385.00			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50		330.00			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50		192.50			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00		60.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00		240.00			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	6.00		330.00			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00		210.00			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	10th cross road, 9th main road (LHS)								
	From CH 000 to CH 020	1	20	4.40		88.00			
	10th cross road, 9th main road (RHS)								
	From CH 000 to CH 020	1	40	4.40		176.00			
	1st main road								
	From CH 000 to CH 100	1	100	5.60		560.00			
	From CH 100 to CH 140	1	40	5.50		220.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00		160.00			
	LHS2	1	22	5.00		110.00			
	LHS3	1	28	5.00		140.00			
	RHS1	1	48	6.00		288.00			
	RHS2	1	32	5.00		160.00			
	RHS3	1	32	4.50		144.00			
						13992.00	Sqm	5.30	74157.60
	KSRRB 500-7: Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision								
	BR Rs	12.00							
	Add: AW 6%	0.72							
	Total Rs	12.72							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH 000 to CH 100	1	100	7.50		750.00			
	From CH 100 to CH 200	1	100	7.50		750.00			
	From CH 200 to CH 300	1	100	7.50		750.00			
	From CH 300 to CH 335	1	35	7.50		262.50			
	10th Cross Road (LHS)								
	From CH 000 to CH 025	1	25	6.00		150.00			
	9th Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00		180.00			
	8th Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00		180.00			
	7th Cross Road (LHS)								
	From CH 000 to CH 035	1	35	6.00		210.00			
	6th Cross Road (LHS)								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 120	1	20	6.00		120.00			
	5th Cross Road (LHS)								
	From CH 000 to CH 035	1	35	6.00		210.00			
	4th Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00		180.00			
	3rd Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00		180.00			
	2nd Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00		180.00			
	1st Cross Road (LHS)								
	From CH 000 to CH 060	1	60	6.00		360.00			
	7th Cross Road (RHS)								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 188	1	88	6.00		528.00			
	8th Cross Road (RHS)								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 188	1	88	6.00		528.00			
	Aproach Road								
7	From CH 000 to CH 090	1	90	7.00		630.00			
	1st Main Road (LHS)								
	From CH 000 to CH 100	1	100	6.00		600.00			
	From CH 100 to CH 110	1	10	6.00		60.00			
	1st Main Road (RHS)								
	From CH 000 to CH 100	1	100	6.00		600.00			

Sl No	Description	No	L	B	D	Qty	Unit	Rate	Amount
	From CH 100 to CH 110	1	10	6.00		60.00			
	11th Cross Road (LHS)								
	From CH 000 to CH 045	1	45	6.00		270.00			
	12th Cross Road (LHS)								
	From CH 000 to CH 045	1	45	6.00		270.00			
	12th Cross Road (RHS)								
	From CH 000 to CH 060	1	60	6.50		390.00			
	SLN Enclave								
	2nd Cross Road								
	From CH 000 to CH 070	1	70	5.50		385.00			
	Cross Road 1								
	From CH 000 to CH 060	1	60	5.50		330.00			
	Cross Road 2								
	From CH 000 to CH 035	1	35	5.50		192.50			
	Aproach Road to SLN Enclave								
	From CH 000 to CH 010	1	10	6.00		60.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH 000 to CH 040	1	40	6.00		240.00			
	9th cross road, 9th main road (LHS)								
	From CH 000 to CH 055	1	55	6.00		330.00			
	9th cross road, 9th main road (RHS)								
	From CH 000 to CH 035	1	35	6.00		210.00			
	10th cross road, 9th main road (LHS)								
	From CH 000 to CH 020	1	20	4.40		88.00			
	10th cross road, 9th main road (RHS)								
	From CH 000 to CH 020	1	40	4.40		176.00			
	1st main road								
	From CH 000 to CH 100	1	100	5.60		560.00			
	From CH 100 to CH 140	1	40	5.50		220.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00		160.00			
	LHS2	1	22	5.00		110.00			
	LHS3	1	28	5.00		140.00			
	RHS1	1	48	6.00		288.00			
	RHS2	1	32	5.00		160.00			
	RHS3	1	32	4.50		144.00			
						13992.00	**Sqm**	**12.72**	**177978.24**
	KSRRB M500-17 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG 30 Bitumen								
	BR Rs	6470.00							
	Add: AW 6%	388.20							
	Total Rs	**6858.20**							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH 000 to CH 100	1	100	7.50	0.05	37.50			
	From CH 100 to CH 200	1	100	7.50	0.05	37.50			
	From CH 200 to CH 300	1	100	7.50	0.05	37.50			
	From CH 300 to CH 335	1	35	7.50	0.05	13.13			
	10th Cross Road (LHS)								
	From CH 000 to CH 025	1	25	6.00	0.05	7.50			
	9th Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00	0.05	9.00			
	8th Cross Road (LHS)								
	From CH 000 to CH 030	1	30	6.00	0.05	9.00			
	7th Cross Road (LHS)								

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:000 to CH:035	1	35	6.00	0.05	10.50			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.05	30.00			
	From CH:100 to CH:120	1	20	6.00	0.05	6.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	1	35	6.00	0.05	10.50			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.05	9.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.05	9.00			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	1	30	6.00	0.05	9.00			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	1	60	6.00	0.05	18.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.05	30.00			
	From CH:100 to CH:188	1	88	6.00	0.05	26.40			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.05	30.00			
	From CH:100 to CH:188	1	88	6.00	0.05	26.40			
	Aproach Road								
8	From CH:000 to CH:090	1	90	7.00	0.05	31.50			
	1st Main Road (LHS)								
	From CH:000 to CH:100	1	100	6.00	0.05	30.00			
	From CH:100 to CH:110	1	10	6.00	0.05	3.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	1	100	6.00	0.05	30.00			
	From CH:100 to CH:110	1	10	6.00	0.05	3.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.05	13.50			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	1	45	6.00	0.05	13.50			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	1	60	6.50	0.05	19.50			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50	0.05	19.25			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50	0.05	16.50			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50	0.05	9.63			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00	0.05	3.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.05	12.00			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	2.00	0.05	5.50			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00	0.05	10.50			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	1.50	0.05	1.50			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	1.50	0.05	3.00			
	1st main road								
	From CH:000 to CH:100	1	100	5.60	0.05	28.00			
	From CH:100 to CH:140	1	40	5.50	0.05	11.00			
	Vishwa Provision store road								
	LHS1	1	32	5.00	0.05	8.00			
	LHS2	1	22	5.00	0.05	5.50			
	LHS3	1	28	5.00	0.05	7.00			
	RHS1	1	48	6.00	0.05	14.40			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	RHS2	1	32	5.00	0.05	8.00			
	RHS3	1	32	4.50	0.05	7.20			
						679.90	Cum	6,858.20	4662890.18
	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015.– using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)								
	BR Rs	7594.00							
	Add: AW 6%	455.64							
	Total Rs	8049.64							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH.000 to CH.100	1	100	7.50	0.04	30.00			
	From CH.100 to CH.200	1	100	7.50	0.04	30.00			
	From CH.200 to CH.300	1	100	7.50	0.04	30.00			
	From CH.300 to CH.335	1	35	7.50	0.04	10.50			
	10th Cross Road (LHS)								
	From CH.000 to CH.025	1	25	6.00	0.04	6.00			
	9th Cross Road (LHS)								
	From CH.000 to CH.030	1	30	6.00	0.04	7.20			
	8th Cross Road (LHS)								
	From CH.000 to CH.030	1	30	6.00	0.04	7.20			
	7th Cross Road (LHS)								
	From CH.000 to CH.035	1	35	6.00	0.04	8.40			
	6th Cross Road (LHS)								
	From CH.000 to CH.100	1	100	6.00	0.04	24.00			
	From CH.100 to CH.120	1	20	6.00	0.04	4.80			
	5th Cross Road (LHS)								
	From CH.000 to CH.035	1	35	6.00	0.04	8.40			
	4th Cross Road (LHS)								
	From CH.000 to CH.030	1	30	6.00	0.04	7.20			
	3rd Cross Road (LHS)								
	From CH.000 to CH.030	1	30	6.00	0.04	7.20			
	2nd Cross Road (LHS)								
	From CH.000 to CH.030	1	30	6.00	0.04	7.20			
	1st Cross Road (LHS)								
	From CH.000 to CH.060	1	60	6.00	0.04	14.40			
	7th Cross Road (RHS)								
	From CH.000 to CH.100	1	100	6.00	0.04	24.00			
	From CH.100 to CH.188	1	88	6.00	0.04	21.12			
	8th Cross Road (RHS)								
	From CH.000 to CH.100	1	100	6.00	0.04	24.00			
	From CH.100 to CH.188	1	88	6.00	0.04	21.12			
9	**Aproach Road**								
	From CH.000 to CH.090	1	90	7.00	0.04	25.20			
	1st Main Road (LHS)								
	From CH.000 to CH.100	1	100	6.00	0.04	24.00			
	From CH.100 to CH.110	1	10	6.00	0.04	2.40			
	1st Main Road (RHS)								
	From CH.000 to CH.100	1	100	6.00	0.04	24.00			
	From CH.100 to CH.110	1	10	6.00	0.04	2.40			
	11th Cross Road (LHS)								
	From CH.000 to CH.045	1	45	6.00	0.04	10.80			
	12th Cross Road (LHS)								
	From CH.000 to CH.045	1	45	6.00	0.04	10.80			
	12th Cross Road (RHS)								

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:000 to CH:060	1	60	6.50	0.04	15.60			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	1	70	5.50	0.04	15.40			
	Cross Road 1								
	From CH:000 to CH:060	1	60	5.50	0.04	13.20			
	Cross Road 2								
	From CH:000 to CH:035	1	35	5.50	0.04	7.70			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	1	10	6.00	0.04	2.40			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	1	40	6.00	0.04	9.60			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	1	55	6.00	0.04	13.20			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	1	35	6.00	0.04	8.40			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	1	20	4.40	0.04	3.52			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	1	40	4.40	0.04	7.04			
	1st main road								
	From CH:000 to CH:100	1	100	5.60	0.04	22.40			
	From CH:100 to CH:140	1	40	5.50	0.04	8.80			
	Vishwa Provision store road								
	LHS1	1	32	5.00	0.04	6.40			
	LHS2	1	22	5.00	0.04	4.40			
	LHS3	1	28	5.00	0.04	5.60			
	RHS1	1	48	6.00	0.04	11.52			
	RHS2	1	32	5.00	0.04	6.40			
	RHS3	1	32	4.50	0.04	5.76			
						559.68	Cum	8,049.64	4505222.52
	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.								
	BR Rs	429.00							
	Add: AW 6%	25.74							
	Total Rs.	**454.74**							
	Re-construction								
	Ambhabhavani layout								
	Main road								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:200	2	100	0.10		20.00			
	From CH:200 to CH:300	2	100	0.10		20.00			
	From CH:300 to CH:335	2	35	0.10		7.00			
	10th Cross Road (LHS)								
	From CH:000 to CH:025	2	25	0.10		5.00			
	9th Cross Road (LHS)								
	From CH:000 to CH:030	2	30	0.10		6.00			
	8th Cross Road (LHS)								
	From CH:000 to CH:030	2	30	0.10		6.00			
	7th Cross Road (LHS)								
	From CH:000 to CH:035	2	35	0.10		7.00			
	6th Cross Road (LHS)								
	From CH:000 to CH:100	2	100	0.10		20.00			

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
	From CH:100 to CH:120	2	20	0.10		4.00			
	5th Cross Road (LHS)								
	From CH:000 to CH:035	2	35	0.10		7.00			
	4th Cross Road (LHS)								
	From CH:000 to CH:030	2	30	0.10		6.00			
	3rd Cross Road (LHS)								
	From CH:000 to CH:030	2	30	0.10		6.00			
	2nd Cross Road (LHS)								
	From CH:000 to CH:030	2	30	0.10		6.00			
	1st Cross Road (LHS)								
	From CH:000 to CH:060	2	60	0.10		12.00			
	7th Cross Road (RHS)								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:188	2	88	0.10		17.60			
	8th Cross Road (RHS)								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:188	2	88	0.10		17.60			
	Aproach Road								
10	From CH:000 to CH:090	2	90	0.10		18.00			
	1st Main Road (LHS)								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:110	2	10	0.10		2.00			
	1st Main Road (RHS)								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:110	2	10	0.10		2.00			
	11th Cross Road (LHS)								
	From CH:000 to CH:045	2	45	0.10		9.00			
	12th Cross Road (LHS)								
	From CH:000 to CH:045	2	45	0.10		9.00			
	12th Cross Road (RHS)								
	From CH:000 to CH:060	2	60	0.10		12.00			
	SLN Enclave								
	2nd Cross Road								
	From CH:000 to CH:070	2	70	0.10		14.00			
	Cross Road 1								
	From CH:000 to CH:060	2	60	0.10		12.00			
	Cross Road 2								
	From CH:000 to CH:035	2	35	0.10		7.00			
	Aproach Road to SLN Enclave								
	From CH:000 to CH:010	2	10	0.10		2.00			
	Adithya Nagar								
	8th cross road, 9th main road (RHS)								
	From CH:000 to CH:040	2	40	0.10		8.00			
	9th cross road, 9th main road (LHS)								
	From CH:000 to CH:055	2	55	0.10		11.00			
	9th cross road, 9th main road (RHS)								
	From CH:000 to CH:035	2	35	0.10		7.00			
	10th cross road, 9th main road (LHS)								
	From CH:000 to CH:020	2	20	0.10		4.00			
	10th cross road, 9th main road (RHS)								
	From CH:000 to CH:020	2	40	0.10		8.00			
	1st main road								
	From CH:000 to CH:100	2	100	0.10		20.00			
	From CH:100 to CH:140	2	40	0.10		8.00			
	Vishwa Provision store road								
	LHS1	2	32	0.10		6.40			
	LHS2	2	22	0.10		4.40			
	LHS3	2	28	0.10		5.60			
	RHS1	2	48	0.10		9.60			
	RHS2	2	32	0.10		6.40			
	RHS3	2	32	0.10		6.40			
						459.00	Sqm	454.74	208725.66

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
11	Supply and fixing of Retro Reflective Single Arrow Road Name Signboard of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & while letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0 5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1 2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1 1 5 3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc , complete as per direction of engineer incharge of work clause 6 9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67 2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender (P-190/24 59)								
	Basic Rate		13297.00						
	Area Weightage @ 6%		797.82						
	Total Rs.		14094.82						
	Ambhabhavani layout								
		2	1 60	0 90		2 88			
	Adithya Nagar								
		9	1 60	0 90		12 96			
						15.84	Sqm	14,094.82	223261.95

Sl. No	Description	No	L	B	D	Qty.	Unit	Rate	Amount
								Sub Total Rs.	16939682.96
12	GST Charges @ 12%								2032761.96
13	KRIDL Charges @ 4%								677587.32
14	DPR Charges @ 1%								169396.83
15	PMC Charges @ 1%								169396.83
16	Miscellaneous and Unforeseen work Charges								Rs. 11,174.11
								Grand Total Rs.	20000000.00
	(Rupees Two Hundred Lakhs Only)								

CERTIFICATE

1) The work spot has been inspected and found to be necessary
2) The work spot comes under BBMP limits
3) The provisions made in this estimate are necessary and minimum
4) The rates adopted are as per PW,P IWTD SR of 2018-19
5) This work is not split up

Assistant Engineer
Ward No 03
BBMP

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

Sanction for Rs 200.00 lakhs
Two crores only

P-3749
CM - Navanagarothana 110 - Village grants (Annexure-07)

EE/YNK/GS/2019-20

7/11/2019

RS 200 lakhs
P3749
205
05.11.19